4

	10	20	30	40	50	9
	ATTTAGTTATAAAATGTTGCTATTTGTTGATCTAGTGCTCTGAATCTTTAGTGAGGCA	GTIGCTAT	FTGTTGATCT	GTGCTCTGA	NTCTTTTAGT	AGGCA
	70	80	06	100	110	12(
	ATGATGAAGATTATGAATTTCTTCATGAAATTATTGTAAGAAAAAAGAACATAGAGAAGC	AATTTCTT	CATGAAATTAI	'TGTAAGAAA	AGAACATAGA	AGAA GCT
	130	140	150	160	170	18(
_	GCGGAATGAAAGTACACTGTTCTTTCACGGAGAAAGAAGATAAATAA	ACTGTTCT	FTCACGGAGA	AGAAGATAAA	TAAGCATTA	CTTCT
_	190	200	210	220	730	24(
	CTTCAGTTTTTAACACACATTTTGGAAATTTTGATGTAAAAATTCTCTTTGGAACGTTG1	CACATTTT	SGAAATTTTGA	TGTAAAAATT	CTCTTTGGA	CGTTG
	250	260	270	280	290	30(
	GTTGTCTGAAATCTTCCCAAAGGTTCTATCAGAAGAAGAAGGATAAAGTTTCATAGAAA	CCCAAAGGI	TCTATCAGAA	GAAGAAGGAT	AAAGTTTCAI	AGAAA
	310	320	330	340	350	36(
	CCAATGGACAACAACAACACACACTTTTAGTTCTCTGGATAATGTCATGACTAAC	AACAACAAC	LAACACTTTTA	GTTCTCTGGA	TAATGTCAT	ACTAAC
	370	380	390	400	410	42(
	CAAAATCCTCTTCTCATGGATTTTATACCTTCAAGAGAAGATTCAACTTCATTCTCAACA	ATGGATTT	PATACCTTCAA	GAGAAGATTC	AACTTCATTC	TCAACA
	430	440	450	460	470	48(
	ATGCTTCCATGGAATACCATCAGATCAGATCCTCTACAAATGGGTGGCTTTGATATTTTC	ACCATCAGA	ATCAGATCCTC	TACAAATGGG	TGGCTTTGAT	ATTTC
	490	500	510	520	530	540
	AATTCTATGCTGACTAACAAATACTTATCATCTTCTCCACGGTCTATCGATGTTCAAGAI	AACAAATAC	TTATCATCTT	CTCCACGGTC	TATCGATGTT	CAAGAI
	550	260	570	580	590	909
	AACCGCAATGTTGAGTTCATGGCTCCTCCTCCTCCTCCTCCTCCACTTCATCCTTTGGAI	TTCATGGCI	CCTCCTCCTC	ATCCTCCTCC	ACTICATCCI	TTGGAI
	610	620	630	640	650)99
	CATTTAAGACACTATGATGATTCCTCAAACAACATGTGGGGTTTTGAAGCAAATAGTGAG	GATGATTCC	TCAAACAACA	TGTGGGGTTT	'TGAAGCAAAT	AGTGAC
	670	089	069	700	710	720
	TTTCAGGCATTTTCAGGTGTAGTTGGTCCAAGTGAACCAATGATGTCTACATTCGGTGAA	GGTGTAGTI	GGTCCAAGTG	AACCAATGAT	GTCTACATTC	GGTGA

GGATCTGTATTGGAGAGAGGCAAAGACAAGACTCAAGAACCTCTATGTTCCACCAGCAT

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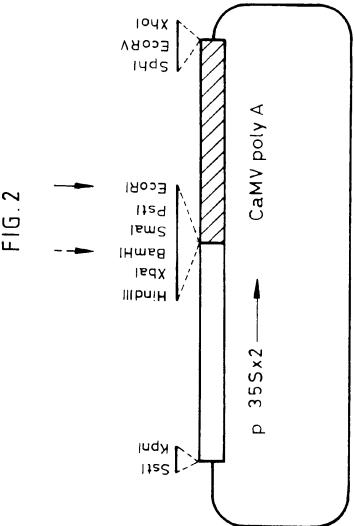
GTCTTGCA	840	TAGCCTCA	006	GTTTCTCT	096	ATTTCGCC	1020	CAGCCTTT	1080	SGAGGCG	1140	CTTGGAT	1200	GGTTATA	1260	CCTCCAA	1320	CTCTATG	1380
ITTCATTGA	830	CTACAAGAT	890	TTACTCAAG	950	TACTATCTC	1010	CTGCTAGTT	1070	CTAATAACT	1130	AAACCCATCI	1190	AGATTCATAC	1250	CCGGTTTGC	1310	ATAATATAAT	1370
AACAATGAGG	820	CTTTGTGCAG	880	AATAACGTTG	940	GTTCAAGAAA	1000	GAGTCAGGAG	1060	SATGGTGATT	1120	BAAGCAAAGA	1180	GCGTAGATG	1240	AGTTACACA	1300	GAATCTGCA	1360
GAATAAAAGA	810	GGAGATAAGT	870	AGACATTTCT	930	CCTTCACTCT	066	rcgaggaacc	1050	IGAGTTTCTT	1110	AGAGCATTA	1170	TATAGTCAT 1	1230	TTAGATCCAC	1290	CTGAGAGAGA	1350
TTCTAATTTC	800	ATGAATGCTC	860	SCAGCAGCAA	920	TTATATTTGGCTCAAAATACCTTCACTCTGTTCAAGAAATACTATCTCATTTCGCC	980	NTATTCATC	1040	GAATATAACI	1100	ATTTCAAAGG	1160	GGATGATCGA	1220	TGCAACCGAG	1280	ATACAAGAAC	1340
GAAGATTTCCCGTTTCTAATTCGAATAAAAGAAACAATGAGCTTTCATTGAGTCTTGCA	190	TCAGATGTTTCTGATGATGCTCGGAGATAAGTCTTTGTGCAGCTACAAGATTAGCCTCA	850	GAGCAAGCTTCTTGCAGCAAAGACATTTCTAATAACGTTGTTACTCAAGGTTTCTCT	910	CAACTTATATTTG	970	GCATACTCGCTCGATTATTCATCTCGAGGAACCGAGTCAGGAGCTGCTAGTTCAGCCTTT	1030	ACTTCACGTTTTGAGAATATAACTGAGTTTCTTGATGGTGATTCTAATAACTCGGAGGCG	1090	GGTTTCGGATCTACATTTCAAAGGAGGATTAGAAGCAAAGAAAAACCCATCT TTGGAT	1150	CTTCTTCAAATGGTGGATGATCGATATAGTCATTGCGTAGATGAGATTCATACGGTTATA	1210	TCAGCGTTCCATGCTGCAACCGAGTTAGATCCACAGTTACACACCCGGTTTGCCCTCCAA	1270	ACCGTTTCCTTCTTATACAAGAACCTGAGAGAGAGAATCTGCAATAATATAATCTCTATG	1330
			FIG. I(CONTD)							•								4	

FIG. 1(CONTD)

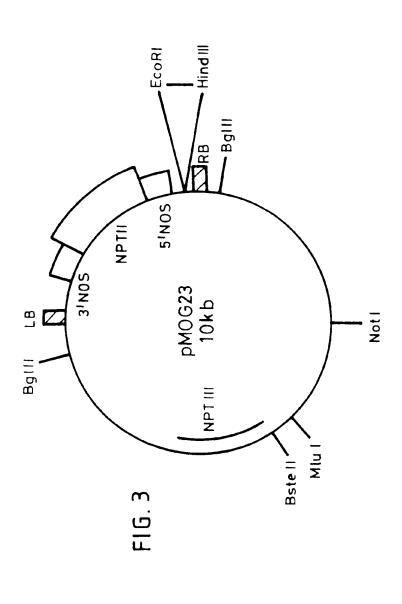
TGCCTTCTTCAGCAGCTGAAACGAAAGAACCATCAGATTTGGAGACCTCAACGAGGTTTG	AGCAGC	TGAAACGAA	AGAACCATCA	GATTTGGAGA	CCTCAACGAG	GTTTG
1450	•	1460	1470	1480	1490	1500
CCTGAGAAATCTGTTTCGGTTCTACGGAATTGGATGTTCCAAAACTTCCTTC	TGTTT	GGTTCTAC	GGAATTGGAT	GTTCCAAAAC	TICCIICACC	CTTAC
1510	-	1520	1530	1540	1550	1560
CCGAAAGATTCGGAGAAACATCTTCTAGCTATACGAAGTGGCTTGACAAGAAGTCAGGTA	GGAGAZ	ACATCTIC	TAGCTATACG	AAGTGGCTTG	ACAAGAAGTC	AGGTA
1570		1580	1590	1600	1610	1620
TCAAACTGGTTTATAAATGCGGGGTTAGGCTATGGAAGCCGATGATAGAAGAGATGTAT	TATAAA	TGCGCGGG	TTAGGCTATG	GAAGCCGATG	ATAGAAGAGA	TGTAT
1630	1	1640	1650	1660	1670	1680
GCGGAAATGAACAAGAGGAAGCTCAATAACAGTCACATTCAACCCAACGGACCAACTCTT	CAAGAG	GAAGCTCA	ATAACAGTCA	CATTCAACCC	AACGGACCAA	CTCTT
1690	+1	1700	1710	1720	1730	1740
CGAATGCCAAAATCTGTTATGAGCCAAGCAATGCATAAATAA	ATCTGT	TATGATGA	SCCAAGCAAT	SCATAAATAA	BACAACAATT	STGTT
1750	1	1760	1770	1780	1790	1800
TACCAACTTTGTGATAATTAGGCAATTGCTACTCTATGATTGCCCAAAACCTAAACCATG	TGATAA	TTAGGCAAT	TGCTACTCT	ATGATTGCCC	AAAACCTAAAC	CATG
1810	7	1820	1830	1840	1850	1860
TACGACTATCATTACGTATGTTATAATTGTATATACAACTCCTTTATCTTTGACTATTTC	TACGT	ATGTTATA	TTGTATATAC	PACTCCTTT	ATCTTTGACTA	TTTC
1870	H	1880	1890	1900		
ATTTTATTAAAAAAAAAAAAAAAA	AAAAA	AAAAAAAA				



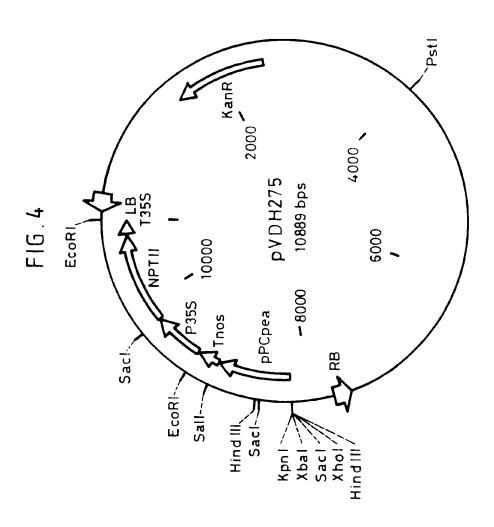
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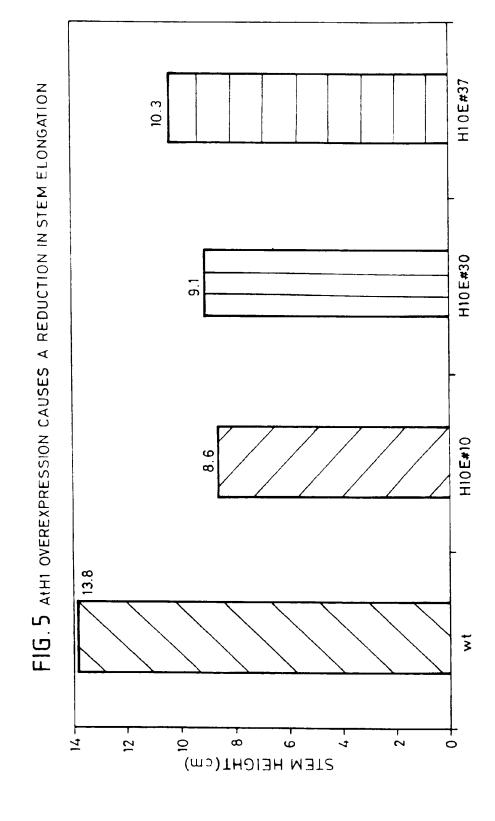




5' GGAATTCTG GTA CCT CCCGG GAG GAT CCAT CTAGAG CT CGAGTAAG CTT C3' Hind Xhol Saci BamHl Xbal Smal POLYLINKER SEQUENCE: Kpnl EcoRI



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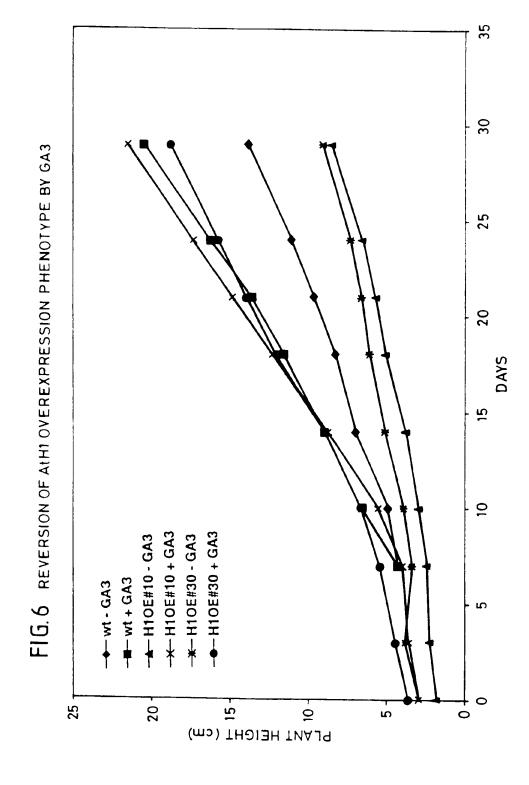




FIG. 7
FLOWERING TIME OF ATHI TRANSGENES

